



total SOLUTION of  
investment CASTING



## Company profile

We, Captain Technocast Pvt. Ltd. are a leading manufacturer of INVESTMENT CASTING (Lost Wax Process). Our Investment Casting ultra modern Plant is established during year of 2011 in Shapar(verval) located at outskirts area of Rajkot City (Gujarat) India. Endowed with in-depth Knowledge, Innovative mind and 15 years' exposure to agricultural needs, he met with significant success. Soon followed CAPTAIN POLYPLAST LTD. doing business in Domestic & International markets.

CAPTAIN brand has earned covenant distinctions such as Indira Gandhi Priyadarshini Award, National Award for Quality & Udyog Patra Award. All group companies are ISO 9001:2008 certified.

We can take up manufacturing of Precision Investment Casting according to Drawing, Specification, Material & quantity detail and Sample provided by customer.

**Total Land Area** : 57000 Sq. Ft.      **Production Capacity** : 500 Metric Tons / Annum

**Constructed Area** : 49500 Sq. Ft.      **Job Handling Capacity** : From few grams to 150 Kg. Single Piece

We can take up the Investment casting in Metal/Alloys such as Stainless Steel, Alloy Steel, Carbon Steel, Nickel based Steel, Super Alloys, Aluminium Alloys, Copper based Alloys, Bronze Alloys and many other Ferrous & Non-Ferrous metals.

### Our speciality in non-ferrous

## Investment Casting Process



### Tool Development

Tool established for making wax pattern

### Wax Pattern Manufacturing

Output of wax injection from tool

### Pattern Assembly

Attachment of pattern with feeders

### Ceramic Coating

Application of coating with binder & stucco

### De - Waxing

Removing wax from coated assembly

### Shell Backing

Pre-Heating of shells

### Induction Melting

Preparation of molten metal

### Verification of Chemical Composition

Ensuring by Spectrometer

### Pouring

Filling the shell with molten metal

### Fettling

Detachment from feeders and surface finishing

### Stress Relieving

Setting the homogenous structure of metal

### Inspection and Testing

Verification of casting with customer's requirement

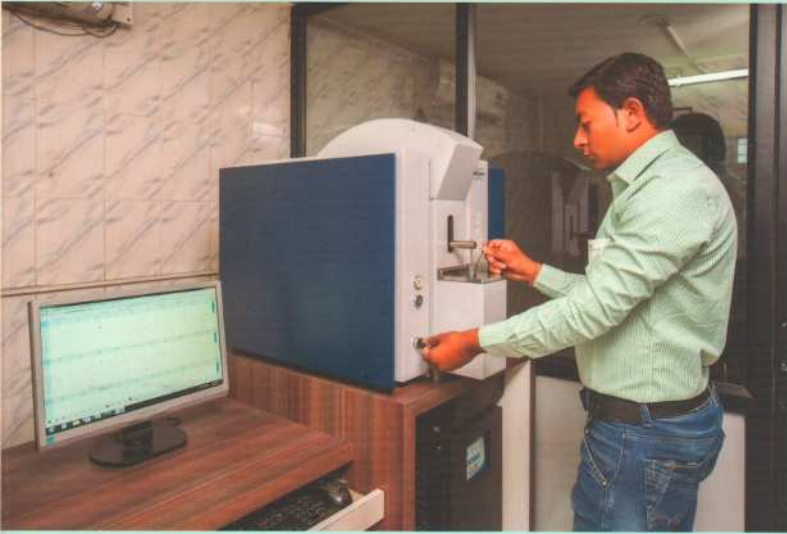


## Quality Assurance

CERTIFICATE **TUV NORD**

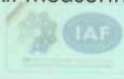
### Possible Testing

- | Management system as per
- | Chemical Composition
- | Tensile Strength
- | Hardness
- | Impact Strength
- | Radiography
- | Liquid Penetration
- | IGC
- | Magnetic Particle
- | Ultrasonic
- | Micrographic Examination
- | NDT Level-II Inspector for RT, DP, MPT & UT
- | WPS - PQR for minor weld - repair
- | Stage wise Quality Check
- | PPAP documentation for machined components
- | Strict quality control for incoming raw material
- | All measuring instruments

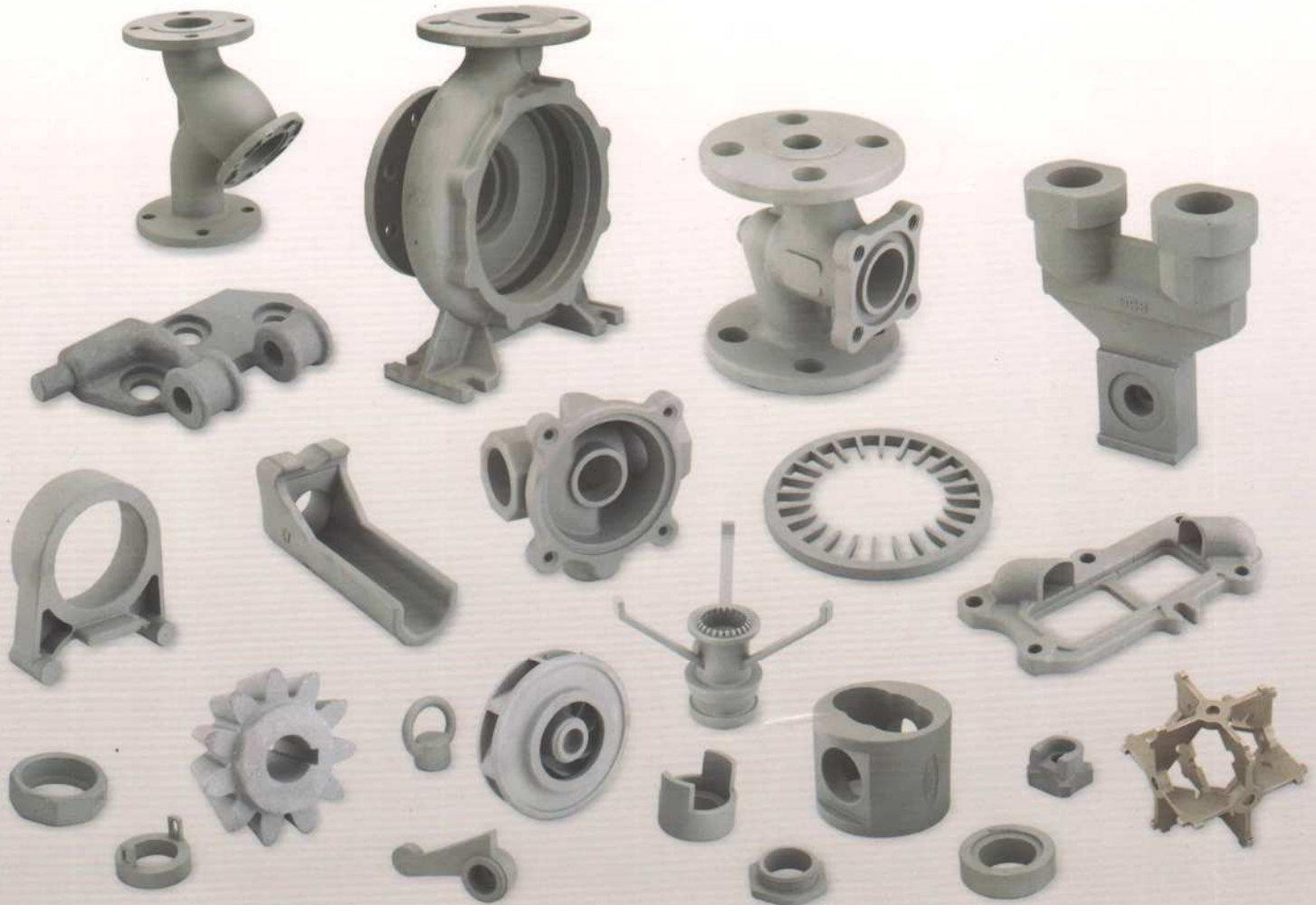


Management system as per  
CAPTAIN TECHNOCAST PVT. LIMITED  
Survey No. 217, Plot No.4, N. H. No. 8-B  
Sector-1, V. V. P., Dist. Rajkot - 360 024, Gujarat  
India  
This certification is valid only for the above mentioned scope  
Certification Body: Issue 02.01.2015 Place: Mumbai  
This certification was conducted in accordance with the TUV NORD CERT auditing and  
Certificate Registration No. 44 508 122004-03 Valid until 01.01.2018  
Audit Report No. 2.8-0008/2013

TUV NORD CERT Quality Langenbachstrasse 20 49141 Essen www.tuvnordcert.com



## Our Few Products



## Our Few Products



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Manufacture of : Precision Casting, Investment (Lost Wax) Casting, of all Ferrous, Non Ferrous and Super Alloys...